

**CAERNARVONSHIRE COUNTY  
COUNCIL**

**EDUCATION COMMITTEE**

---

**ANNUAL  
REPORT**

OF THE

**PRINCIPAL  
SCHOOL MEDICAL OFFICER**

FOR THE YEAR 1956



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SCHOOL MEDICAL OFFICER**

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|-------------------------------------|------------|
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| Clinics ... ..                      | 6          |
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## CAERNARVONSHIRE COUNTY COUNCIL

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*To the Chairman and Members of the School Services and Welfare Committee*

Ladies and Gentlemen,

The general health of our school children has been very good ; their level of nutrition was also found to be very satisfactory.

### IMMUNISATION AGAINST POLIOMYELITIS

During the year immunising material against this disease became available for the first time in this country. Detailed arrangements for the protection of approximately 2,700 children, involved much time of the members of the department. These included sending letters to parents to obtain their consents to immunisation, registering all such children according to sex, year and month of birth, arranging immunisation sessions and informing parents, informing general practitioners, maintaining records of all those immunised, and sending information to the Ministry of Health. Sufficient material became available to give two doses to 290 children between the ages of two and nine years. All the injections were given by the School Medical Officers.

### IMMUNISATION WITH B.C.G.

I referred in some detail to this new service in my 1955 Report. The service was continued during the year and applied to children of school leaving age. I am glad to report that the parents of 2,318 children indicated their desire to have their children protected. This figure represents a percentage of 77 and is an improvement when compared with 1955 when the percentage was 73. The usual arrangements were made for informing parents and for having those showing a positive reaction and their relatives examined by the Mass Radiography Unit.

### INFECTIOUS DISEASES

Apart from an epidemic of measles, there were relatively few cases of disease notified during the year. Two cases of Poliomyelitis with slight residual paralysis were notified.

Not one case of Diphtheria was notified. No child who has been completely immunised has died from the disease in this county. This is the eleventh successive year during which not one completely immunised child has suffered from the disease.

### SPEECH THERAPY

This service has unfortunately not functioned because in spite of continued advertising it has not been possible to secure another speech therapist. An acute shortage exists throughout the country.

### VISUAL DEFECTS

The waiting list of those referred for examination by Consultants continues to remain very long. It fluctuates around 1,000 and some children

have to wait many months for an examination. The Regional Hospital Board will make an additional appointment of a Registrar in 1957 and the waiting list should thereafter be reduced quickly.

Headteachers and their staffs continued to give their valuable assistance to the School Health Service and particularly in connection with the introduction of the scheme for immunisation against Poliomyelitis.

The voluntary organisations in the county have rendered their usual valuable aid to the service.

It is a pleasure to acknowledge the interest and encouragement of the Chairman and members of the Committee.

My thanks are due also to all members of my staff for the good work they have performed as the "Health Team".

D. E. PARRY-PRITCHARD

Principal School Medical Officer

## SCHOOL HEALTH SERVICES STAFF

---

|                                           |                                                                                                                                               |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Principal School Medical Officer . . .    | D. E. Parry-Pritchard, M.D.,<br>D.P.H., M.B., Ch.B.                                                                                           |
| Deputy Principal School Medical Officer . | C. T. Baynes, M.D., D.P.H.,<br>M.B., Ch.B.<br>(Commenced 30th January, 1956)                                                                  |
| Senior School Medical Officer . . .       | M. Slater, M.B., Ch.B., C.P.H.,<br>D.C.H.                                                                                                     |
| School Medical Officers . . . . .         | T. Evans Hughes, M.R.C.S.,<br>L.R.C.P.<br>M. J. O'Brien, B.A., M.B., B.Ch.<br>E. M. Hughes, M.B., Ch.B.,<br>D.P.H. (Commenced September 1956) |

All staff are also Assistant County Medical Officers of Health.

*Dental Staff :*

Principal School Dental  
Officer . . . . . D. McIntyre, L.D.S.

## School Dental Officers :

Northern Area . . . . Vacant.

North Central . . . . G. H. Wilson, L.D.S.

South Central . . . . J. B. Crowther, L.D.S. (Commenced March 1956)

Southern Area . . . . H. Parry, L.D.S.

Dental Attendants . . . . Three.

*Psychiatric Officer* . . . . Vacant.

*Nursing Staff :*

County Superintendent and

Superintendent Health

Visitor . . . . . Miss M. Richards, S.R.N., S.C.M., Q.N.S.,  
M.T.D., H.V.

Health Visitors and School

Nurses (December 1956) 21 full time and 2 part time were employed.

Infectious Diseases and

Clinic Nurse . . . . \*Miss M. Williams, S.R.N., S.C.M.

\*Also acts as part time Health Visitor and School Nurse.

Physiotherapist . . . . Miss M. F. Williams, M.C.S.P.

Speech Therapist . . . . Vacant.

Orthoptist . . . . . Miss G. Powell, D.B.O.

Chief Clerk . . . . . Cledwyn Parry.

## CONSULTANTS

|                              |                                                                                                         |
|------------------------------|---------------------------------------------------------------------------------------------------------|
| Orthopaedic . . . . .        | B. L. McFarland, F.R.C.S., M.Ch. (Orth.).<br>G. I. Roberts, F.R.C.S., M.Ch. (Orth.).                    |
| Ophthalmic . . . . .         | T. G. Wynne Parry, M.R.C.S., L.R.C.P.,<br>D.O.M.S.<br>G. C. Laszlo, M.D., L.R.C.P., L.R.F.P.S.,<br>D.O. |
| Ear, Nose and Throat . . . . | John Roberts, M.D., F.R.C.S.                                                                            |
| Paediatric . . . . .         | Gwyn Griffith, M.D., F.R.C.P., D.P.H.                                                                   |
| Child Guidance . . . . .     | E. Simmons, M.D., L.R.C.P., L.R.C.S.,<br>L.R.F.P.S.                                                     |
| Plastic Surgery . . . . .    | R. P. Osborne, B.Sc., M.B., Ch.B., F.R.C.S.                                                             |
| Anaesthetist . . . . .       | Henry Edwards, M.R.C.S., L.R.C.P., F.F.A.,<br>D.A.                                                      |
| Chest Physician . . . . .    | J. Glyn Jones, M.A., M.D., B.Chir.                                                                      |

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DIRECTOR OF EDUCATION :  
Mansel Williams, M.A., B.Sc.

# SCHOOL, HEALTH SERVICES—CLINICS

TABLE 1.

| Clinic                                                                                                             | Place held                                      | Days held                            | Time                    | Attended by      |
|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------|-------------------------|------------------|
| Orthopaedic and Ultra Violet Ray                                                                                   | 1. War Memorial Centre, Oxford Road, Llandudno. | Every Monday                         | 10.00 a.m. to 4.00 p.m. | Physiotherapist  |
|                                                                                                                    | 2. Central Clinic, Shirehall St., Caernarvon.   | Every Tuesday                        | 9.00 a.m. to 5.00 p.m.  | do.              |
|                                                                                                                    | 3. British Legion Hall, Pwllheli                | Every Wednesday                      | 10.00 a.m. to 4.00 p.m. | do.              |
|                                                                                                                    | 4. Snowdon Street Clinic, Portmadoc.            | Every Thursday                       | 10.00 a.m. to 4.00 p.m. | do.              |
|                                                                                                                    | 5. School Clinic, Sackville Rd., Bangor.        | Every Friday                         | 9.30 a.m. to 4.00 p.m.  | do.              |
| A Survey Clinic is held each month at the Centres (except Portmadoc) in rotation. Attended by Orthopaedic Surgeon. |                                                 |                                      |                         |                  |
| Dental (held in addition to other regular clinics).                                                                | 1. Dyffryn Road School, Llandudno.              | *Every Saturday                      | 9.30 a.m. to 12 noon    | School Dentist   |
|                                                                                                                    | 2. School Clinic, Sackville Rd., Bangor.        | Every Saturday                       | 9.30 a.m. to 12 noon.   | Dental Attendant |
|                                                                                                                    | 3. Central Clinic, Shirehall St., Caernarvon.   | Every Saturday                       | 9.30 a.m. to 12 noon    | do.              |
|                                                                                                                    | 4. Snowdon Street Clinic, Portmadoc.            | 1st Saturday monthly                 | 9.30 a.m. to 12 noon    | do.              |
|                                                                                                                    | 5. Pwllheli Hospital.                           | 2nd, 3rd and 4th Saturdays, monthly. | 9.30 a.m. to 12 noon    | do.              |
|                                                                                                                    | 6. Carneddi School, Bethesda.                   | Last Saturday, monthly.              | 9.30 a.m. to 12 noon.   | do.              |
|                                                                                                                    | 7. New Clinic, Llanberis.                       | Saturdays—except last.               | 9.30 a.m. to 12 noon.   | do.              |
| * Periodically held at Dolgarrog                                                                                   |                                                 |                                      |                         |                  |

TABLE 1 (continued)

| Clinic                | Place held                                                                                                                                                                             | Days held                                                                     | Time                                                                                                                                                                                                                                          | Attended by                                              |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| Ear, Nose and Throat. | C. & A. Hospital, Bangor.<br>Llandudno General Hospital,<br>Llandudno.                                                                                                                 | Every Monday<br>Every Tuesday.                                                | 1.30 p.m.<br>1.15 p.m.                                                                                                                                                                                                                        | E.N.T. Consultant<br>E.N.T. Consultant                   |
| Visual Defects.       | War Memorial Centre, Oxford<br>Road, Llandudno.<br>Central Clinic, Shirehall Street,<br>Caernarvon.<br>School Clinic, Sackville Road,<br>Bangor.<br>Pwllheli Hospital, Pwllheli.       | Held according to the num-<br>ber of cases requiring<br>treatment.            |                                                                                                                                                                                                                                               | Ophthalmic Consultant<br>Clinic Officer<br>School Nurse. |
| Orthoptic.            | C. & A. General Hospital,<br>Bangor.<br>Snowdon Street Clinic, Port-<br>madoc.<br>Pwllheli Hospital<br>Llandudno General Hospital.<br>Central Clinic, Shirehall Street,<br>Caernarvon. | Wednesdays<br>Alternate Thursdays<br>Alternate Tuesdays<br>Fridays<br>Mondays | 9.30 a.m. to 12.30 p.m.<br>1.30 p.m. to 5.00 p.m.<br>10.30 a.m. to 1.00 p.m.<br>10.30 a.m. to 12.30 p.m.<br>1.30 p.m. to 5.00 p.m.<br>10.00 a.m. to 12.30 p.m.<br>1.30 p.m. to 5.00 p.m.<br>9.30 a.m. to 12.30 p.m.<br>1.30 p.m. to 5.00 p.m. | Orthoptist<br>do.<br>do.<br>do.<br>do.                   |

TABLE 1 (*continued*)

| Clinic         | Place held                                                                                                                                                | Days held                      | Time                                              | Attended by                                                                           |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Minor Ailments | School Clinic, Sackville Road, Bangor.                                                                                                                    | Daily                          | 9.00 a.m. to 10.00 a.m.                           | Health Visitor/School Nurse                                                           |
|                | Central Clinic, Shirehall Street, Caernarvon.                                                                                                             | Daily                          | 4.00 p.m. to 5.00 p.m.                            | do.                                                                                   |
|                | War Memorial Centre, Oxford Road, Llandudno.                                                                                                              | Daily                          | 9.00 a.m. to 10.00 a.m.                           | do.                                                                                   |
|                | Legion House, Esplanade, Penmaenmawr.                                                                                                                     | Monday, Wednesday and Fridays. | 9.00 a.m. to 10.00 a.m.                           | do.                                                                                   |
|                | British Legion Hall, Pwllheli.                                                                                                                            | Daily                          | 9.00 a.m. to 10.00 a.m.                           | do.                                                                                   |
|                | A.T.C. Hut, Meurig Park, Bethesda.                                                                                                                        | Monday mornings.               | 9.00 a.m. to 10 a.m.                              | do.                                                                                   |
| Child Guidance | Drill Hall, Penygroes.                                                                                                                                    | Daily                          | 9.00 a.m. to 10.00 a.m.                           | do.                                                                                   |
|                | New Clinic, Llanberis.                                                                                                                                    | Daily                          | 9.00 a.m. to 10.00 a.m.                           | do.                                                                                   |
|                | In addition to these Clinics Minor Ailments are treated locally by District Nurses.                                                                       |                                |                                                   |                                                                                       |
|                | School Clinic, Sackville Road, Bangor.                                                                                                                    | Every Tuesday                  | 10.00 a.m. to 1.00 p.m.<br>2.00 p.m. to 5.00 p.m. | Psychiatrist<br>Psychologist<br>Educational Psychologist<br>Psychiatric Social Worker |
|                | Clinics at Llandudno, Caernarvon, Pwllheli and Portmadoc have had to be discontinued since August, 1948, because of the absence of a Psychiatric Officer. |                                |                                                   |                                                                                       |

TABLE 1 (*continued*)

| General Clinics | Place held                        | Days held                      | Time                   | Attended by                             |
|-----------------|-----------------------------------|--------------------------------|------------------------|-----------------------------------------|
| Bangor          | School Clinic, Sackville Road.    | 1st Saturday in the month      | 9.00 a.m. to 12 noon   | School Medical Officer.<br>School Nurse |
| Bethesda        | A.T.C. Hut, Meurig Park.          | 4th Friday in the month        | 2.00 p.m. to 4.00 p.m. |                                         |
| Caernarvon      | Central Clinic, Shirehall Street. | Every Saturday                 | 9.00 a.m. to 12 noon   |                                         |
| Conway          | Muriau Buildings.                 | 3rd Friday in alternate months | 2.00 p.m. to 4.00 p.m. |                                         |
| Llandudno       | War Memorial Centre, Oxford Road. | 4th Tuesday in the month       | 9.00 a.m. to 12 noon   |                                         |
| Llan, Junction  | Y.W.C.A. Hall                     | 3rd Friday in alternate months | 9.00 a.m. to 12 noon   |                                         |
| Penygroes       | Drill Hall.                       | Last Tuesday in the month      | 9.00 a.m. to 12 noon   |                                         |
| Portmadoc       | Snowdon Street Clinic.            | 2nd Tuesday in the month       | 9.00 a.m. to 12 noon   |                                         |
| Pwllheli        | British Legion Hall.              | 1st Tuesday in the month       | 9.00 a.m. to 12 noon   |                                         |

TABLE 1 (*continued*)

| Clinic  | Place held                                      | Days held                      | Time                                             | Attended by      |
|---------|-------------------------------------------------|--------------------------------|--------------------------------------------------|------------------|
| Speech* | 1. British Legion Hall, Pwllheli                | Every Monday                   | 9.30 a.m. to 4.00 p.m.                           | Speech Therapist |
|         | 2. School Clinic, Sackville Rd., Bangor.        | Every Tuesday                  | 9.15 a.m. to 4.00 p.m.                           | do.              |
|         | 3. War Memorial Centre, Oxford Road, Llandudno. | Every Wednesday                | 9.30 a.m. to 4.00 p.m.                           | do.              |
|         | 4. Central Clinic, Shirehall St., Caernarvon.   | Every Friday<br>Every Thursday | 9.30 a.m. to 1.00 p.m.<br>9.15 a.m. to 4.00 p.m. | do.<br>do.       |

\*Discontinued until appointment of Speech Therapist.

## SUMMARY OF SERVICE PROVIDED

TABLE 2

## SCHOOL POPULATION :

|                                                    |        |
|----------------------------------------------------|--------|
| Number on books at the beginning of the year ..... | 18,835 |
| Number on books at the end of the year .....       | 18,940 |

## NUMBER OF CHILDREN MEDICALLY EXAMINED :

|                                   |       |
|-----------------------------------|-------|
| (a) at Periodic Inspections ..... | 4,455 |
| (b) at Special Inspections .....  | 2,609 |
| (c) at Re-Inspections .....       | 4,441 |

INDIVIDUAL CHILDREN FOUND AT PERIODIC AND SPECIAL INSPECTIONS  
TO REQUIRE TREATMENT :

|                                                   |     |
|---------------------------------------------------|-----|
| (Excluding uncleanness and dental diseases) ..... | 312 |
|---------------------------------------------------|-----|

## INDIVIDUAL CHILDREN TREATED :

|                                               |       |
|-----------------------------------------------|-------|
| Errors of refraction (including squint) ..... | 834   |
| Number of spectacles supplied .....           | 666   |
| Defects of the Nose and Throat .....          | 88    |
| Dental Defects .....                          | 2,037 |

## Orthopaedic :

|                                                   |     |
|---------------------------------------------------|-----|
| (a) in hospitals or hospital schools .....        | 20  |
| (b) in clinics or out-patients' departments ..... | 167 |

|                      |   |
|----------------------|---|
| Speech Defects ..... | — |
|----------------------|---|

|                      |     |
|----------------------|-----|
| Minor Ailments ..... | 678 |
|----------------------|-----|

## HOME AND SCHOOL ATTENDANCES BY SCHOOL NURSES :

|                                                                |                |       |
|----------------------------------------------------------------|----------------|-------|
| Attendances following Medical Inspection :                     | To homes ...   | 237   |
|                                                                | To schools ... | 74    |
| Attendances following general health and hygiene inspections : | To homes ...   | 1,056 |
|                                                                | At schools ... | 991   |
| General health and hygiene inspections :                       | To homes ...   | 1,093 |
|                                                                | To schools     | 504   |
| Other attendances :                                            |                |       |
| Attendances concerning Infectious Diseases .....               |                | 812   |

## CONDITIONS OF SCHOOL BUILDINGS AND PLAYGROUNDS

Reports on defective or unsatisfactory conditions found at 128 schools in 1956 were submitted to the Director of Education. These conditions are enumerated in this table.

The percentage is calculated on the number of schools inspected by the Medical Officers.

## CONDITION OF SCHOOL BUILDINGS AND PLAYGROUNDS

TABLE 3

| YEAR                                                                   | 1956            |            |
|------------------------------------------------------------------------|-----------------|------------|
| NUMBER OF SCHOOLS INSPECTED                                            | 163             |            |
| NATURE OF DEFECT                                                       | Number Observed | Percentage |
| Insufficient or unsatisfactory water supply .....                      | 8               | 4.8        |
| Defective or insufficient ventilation .....                            | 10              | 6.1        |
| Defective or insufficient heating arrangements .....                   | 42              | 25.7       |
| Unsuitable or insufficient lighting .....                              | 12              | 7.3        |
| Unsuitable or insufficient closet accommodation .....                  | 35              | 21.4       |
| Unsuitable or insufficient washing accommodation .....                 | 9               | 5.5        |
| Dampness .....                                                         | 4               | 2.4        |
| Insufficient cloakroom accommodation .....                             | 32              | 19.6       |
| Unsuitable playgrounds .....                                           | 30              | 18.4       |
| Absence of or unsuitable dining accommodation .....                    | 54              | 3.06       |
| Unsuitable or defective blackboards .....                              | 4               | 2.4        |
| Premises requiring to be decorated .....                               | 2               | 1.2        |
| Desks and/or chairs unsuitable .....                                   | 17              | 10.4       |
| Defective floors .....                                                 | 6               | 3.6        |
| Absence of or unsuitable arrangements for drying clothes .....         | 103             | 63.1       |
| Unsuitable entrances—absence of guard-rails, motor warnings, etc. .... | 1               | 0.6        |
| Premises generally unsuitable .....                                    | —               | —          |

## SANITARY ACCOMMODATION IN SCHOOLS AND SCHOOL WATER SUPPLIES

I have received this report from the County Health Officer.

"To the Principal School Medical Officer :

*School Sanitary Accommodation.*

I have carried out inspections of sanitary accommodation at schools and I wish to report that in this field improvements are needed. As it is realised a school's W.C.s and urinals are an essential amenity, and it should at all times be in good order and be constructed so as to be easily cleansed and maintained.

As slate quarrying is the major industry in this county, great use has been made of slate in the construction of urinals. This material may be adequate and satisfactory if properly maintained, though slate does not lend itself to good hygiene due to its colour, and urine salts are not easily noticeable due to its dark background. Jointing materials easily perish, consequently allowing urine to seep between joints and contaminate the surrounding walls and ground. It is also noted that rendered walls are used instead of properly constructed urinals, consequently the acid nature of urine perishes the rendering and is absorbed into the walls, not only does the urinal become objectionable and the wall harbouring bacteria and infection, frost action on the saturated walls causes damage of the rendering increasing the cost of maintenance.

The provision of a stop-cock in lieu of an automatic flushing cistern on urinals is unsatisfactory and relies on human manipulation, consequently is neglected and not used.

All sanitary accommodation should be so constructed as not to be a potential danger to public health.

### *School Water Supplies.*

Twenty-nine bacteriological water samples have been taken from schools in the county. Particular attention is given to schools deriving their water supplies from wells and springs, as these supplies are liable to pollution and are unreliable. The water samples are examined at the Public Health Laboratory, Conway, and where unsatisfactory reports have been obtained steps have been taken to have the supply made safe. Close co-operation is maintained with the District Medical Officers who undertake the necessary action to have the water sources purified and the water made safe before distribution to consumers.

There were thirteen schools obtaining their water supplies from wells or springs. Two schools have been connected to main supplies during the year and it is anticipated that the majority of schools in the Lleyen peninsula who have unreliable water supplies will be connected to main supplies when the Cwm Stradllyn water scheme is completed.

|                                          |     |
|------------------------------------------|-----|
| Number of samples taken at schools ..... | 29  |
| Number Satisfactory .....                | 20  |
| Number Unsatisfactory .....              | 9 " |

## SCHOOL MEDICAL INSPECTIONS

School Medical Inspections were performed in accordance with the Regulations issued in August 1953.

Caernarvonshire children are examined regularly :—

- (a) as soon as possible after the date of admission to a maintained school for the first time ;
- (b) during their last year of attendance at primary schools ;
- (c) during their last year of attendance at secondary schools.

As a further safeguard, all Caernarvonshire children under five years of age attending schools are inspected annually ; all children found to be suffering from defects are re-inspected annually ; and special cases are examined at the request of head teachers and school nurses at schools and clinics.

The Medical Inspection of children attending 163 schools in the county was completed during the year, and a total of 11,505 were examined by the School Medical Officers.

## CONDITIONS FOUND AT MEDICAL INSPECTIONS

### CLASSIFICATION OF PHYSICAL CONDITION

Table 4 below shows the classification of the general condition of the pupils examined in the periodic age groups during 1956 :

TABLE 4

| <i>Age Group</i>                      | <i>No. of pupils examined</i> | <i>Satisfactory</i> |          | <i>Unsatisfactory</i> |          |
|---------------------------------------|-------------------------------|---------------------|----------|-----------------------|----------|
|                                       |                               | <i>No.</i>          | <i>%</i> | <i>No.</i>            | <i>%</i> |
| Entrants .....                        | 1503                          | 1500                | 99.80    | 3                     | 0.19     |
| Second Age Group .....                | 1435                          | 1432                | 99.79    | 3                     | 0.20     |
| Third Age Group .....                 | 1202                          | 1197                | 99.58    | 5                     | 0.41     |
| Additional Periodic Inspections ..... | 315                           | 314                 | 99.68    | 1                     | 0.31     |
| TOTAL .....                           | 4455                          | 4443                | 99.73    | 12                    | 0.26     |

It is not easy to assess accurately the state of nutrition, because there are no easily recognised standards for comparison. Each doctor varies slightly in his assessment. But this table may be accepted as reflecting fairly accurately the nutritional state of our children.

### UNCLEANLINESS (NITS AND LICE)

Inspections made by School Nurses during 1956 totalled 73,415. The cleanliness of 490 children was unsatisfactory (2.60 per cent. of the school population). Of these, 203 were children who were unclean in 1955, and 287 were found to be unclean for the first time during the year. Thirty-four children were found to be extensively infested, 45 moderately infested, and the remainder only very slightly infested.

162 Cleansing Notices were served during the year.

The condition of most of the 162 children is due to lack of perseverance rather than neglect on the part of the parents. Many of them fail to understand the necessity for continuing treatment after removing the original infestation until all the nits have been destroyed. It is gratifying, however, to see that the continued emphasis by the Medical and Nursing Staffs on the constant care and perseverance necessary to maintain children in a clean condition is having a positive effect. The number of children found to be unclean has been gradually reduced from 1,039 (5.7 per cent. of the school population) in 1950, to 490 (2.60 per cent. of the school population) in 1956. Some adults who neglect their own hair convey lice to their children. It is now rare to observe flea infestation of children.

### DEFECTS OF THE NOSE AND THROAT

Of 7,064 children examined in the Periodic and Special Groups, 133 (1.88 per cent.) were found to require treatment.

### ERRORS OF REFRACTION (INCLUDING SQUINT)

Of those examined in the Periodic and Special Groups, 250 (3.53 per cent.) were found to require treatment for visual defects. An additional 45 children (0.63 per cent.) required treatment for squint.

### DEFECTIVE HEARING AND EAR DISEASE

Treatment for 25 children (0.35 per cent.) was required.

### TUBERCULOSIS

All school children who are suspected by the School Medical Officers to be suffering from Tuberculosis, and all children known to be contacts to tuberculous patients are referred for examination by the Chest Physician at special clinics held at Llandudno, Caernarvon, Bangor and Pwllheli weekly. Before attending each child is visited by the School Nurse, who applies a tuberculin "patch test" three days before the date of the clinic. The result of this test is read by the Chest Physician and each child showing a positive reaction is clinically and radiologically examined.

During 1956 220 children were referred for examination by the Chest Physician, and the results of the examinations are given in Table 7.

Twenty children under 15 years were notified as suffering from Tuberculosis during 1956 and details are given in this table :

TABLE 5

| <i>Pulmonary</i> |                | <i>Non-Pulmonary</i> |                | <i>Total</i> |                | <i>Grand Total</i> |
|------------------|----------------|----------------------|----------------|--------------|----------------|--------------------|
| <i>Males</i>     | <i>Females</i> | <i>Males</i>         | <i>Females</i> | <i>Males</i> | <i>Females</i> |                    |
| 5                | 12             | 2                    | 1              | 7            | 13             | 20                 |

### B.C.G. IMMUNISATION

Immunisation of children born to tuberculous mothers and of children in contact with open cases of Tuberculosis continued, and details of children protected since the inception of the scheme are given in Table 8.

B.C.G. immunisation extended to school leavers during 1955 was continued, and children who attained their twelfth birthday on or before October 31st, 1955, were tested during 1956.

The response to the invitation sent to parents was, with a few exceptions, very good, four schools returning a 100 per cent. "acceptance rate".

An analysis of the results is given in Table 6.

TABLE 6 B.C.G. IMMUNISATION OF SCHOOL CHILDREN 1956

| SCHOOL                   | Number<br>on<br>Books | Number<br>of<br>consents<br>received | Percent-<br>age<br>Consents | Number<br>Tested | Number<br>Absent | Number<br>Positive | Percent-<br>age<br>Positive | Number<br>Negative | Percent-<br>age<br>Negative | Number<br>Immunised | Number<br>Positive<br>during<br>Annual<br>Test | Number<br>Negative<br>during<br>Annual<br>Test |
|--------------------------|-----------------------|--------------------------------------|-----------------------------|------------------|------------------|--------------------|-----------------------------|--------------------|-----------------------------|---------------------|------------------------------------------------|------------------------------------------------|
| Bangor Girls Grammar...  | 193                   | 136                                  | 70.46                       | 134              | 6                | 22                 | 16.41                       | 112                | 83.59                       | 110                 | 58                                             | —                                              |
| Bangor Boys Grammar...   | 135                   | 135                                  | 100                         | 130              | —                | 22                 | 16.92                       | 108                | 83.08                       | 107                 | 67                                             | —                                              |
| Bangor Sec. Mod. ....    | 205                   | 166                                  | 80.97                       | 146              | 3                | 29                 | 19.86                       | 117                | 80.14                       | 117                 | 16                                             | 1                                              |
| Bangor R.C. ....         | 25                    | 10                                   | 40.0                        | 2                | —                | —                  | 0                           | 2                  | 100                         | 2                   | —                                              | —                                              |
| Bethesda Bilateral ....  | 190                   | 171                                  | 90.0                        | 157              | 4                | 32                 | 20.38                       | 125                | 79.62                       | 125                 | 36                                             | —                                              |
| Brynrefail Grammar ...   | 126                   | 75                                   | 59.5                        | 69               | 1                | 25                 | 36.76                       | 43                 | 63.24                       | 43                  | 49                                             | —                                              |
| Botwnnog Grammar ...     | 180                   | 83                                   | 46.11                       | 78               | 5                | 12                 | 15.38                       | 66                 | 84.62                       | 66                  | 37                                             | 3                                              |
| Caernarvon Grammar...    | 111                   | 84                                   | 75.67                       | 79               | 5                | 20                 | 26.66                       | 55                 | 73.34                       | 55                  | 98                                             | 1                                              |
| Caernarvon Sec. Mod. ..  | 175                   | 155                                  | 88.57                       | 149              | 6                | 35                 | 23.48                       | 114                | 76.52                       | 112                 | 17                                             | —                                              |
| Conway Sec. Mod. ....    | 115                   | 103                                  | 89.56                       | 101              | —                | 32                 | 33.33                       | 64                 | 66.66                       | 63                  | 2                                              | —                                              |
| Deiniolen Central ....   | 30                    | 26                                   | 86.66                       | 26               | —                | 9                  | 34.61                       | 17                 | 65.39                       | 17                  | 3                                              | —                                              |
| Dolgarrog Central .....  | 47                    | 38                                   | 80.85                       | 35               | 3                | 4                  | 11.76                       | 30                 | 88.24                       | 30                  | 2                                              | —                                              |
| Dolbadarn Council .....  | 34                    | 34                                   | 100                         | 27               | 7                | 14                 | 51.85                       | 13                 | 48.15                       | 13                  | 4                                              | —                                              |
| Llandudno Grammar ...    | 260                   | 151                                  | 58.07                       | 139              | 8                | 32                 | 23.02                       | 107                | 76.98                       | 107                 | 95                                             | —                                              |
| Llandudno Sec. Mod....   | 235                   | 118                                  | 50.21                       | 132              | 8                | 17                 | 12.40                       | 130                | 87.60                       | 129                 | 29                                             | —                                              |
| Llanrug Central ....     | 24                    | 15                                   | 62.50                       | 11               | 4                | 3                  | 30.00                       | 7                  | 70.00                       | 7                   | 1                                              | 1                                              |
| Nefyn Central .....      | 32                    | 32                                   | 100                         | 26               | 6                | 6                  | 23.07                       | 20                 | 76.93                       | 20                  | 1                                              | —                                              |
| Pennacnawr Sec. Mod      | 77                    | 52                                   | 67.53                       | 53               | —                | 6                  | 12.24                       | 43                 | 87.76                       | 43                  | 3                                              | 1                                              |
| Penygroes Bilateral..... | 145                   | 133                                  | 91.72                       | 133              | —                | 20                 | 15.03                       | 113                | 84.97                       | 113                 | 55                                             | 1                                              |
| Portmadoc Bilateral....  | 280                   | 249                                  | 88.92                       | 219              | 18               | 66                 | 30.00                       | 154                | 70.00                       | 153                 | 52                                             | 1                                              |
| Pwllheli Grammar .....   | 160                   | 171                                  | 100                         | 163              | 5                | 17                 | 10.49                       | 145                | 89.51                       | 144                 | 80                                             | 1                                              |
| Pwllheli Sec. Mod. ....  | 145                   | 137                                  | 94.48                       | 143              | 4                | 27                 | 18.88                       | 116                | 81.12                       | 116                 | 10                                             | —                                              |
| Treborth Hall .....      | 35                    | 10                                   | 28.57                       | 14               | —                | 2                  | 14.28                       | 12                 | 85.72                       | 12                  | 1                                              | —                                              |
| Llanfairfechan S. Mod. . | 44                    | 34                                   | 77.27                       | 26               | 4                | 4                  | 15.38                       | 22                 | 84.62                       | 21                  | 1                                              | 1                                              |
| TOTAL .....              | 3003                  | 2318                                 | 77.19                       | 2186             | 97               | 456                | 20.81                       | 1735               | 78.73                       | 1725                | 719                                            | 12                                             |

Arrangements were made with the Welsh Regional Hospital Board for the examination by the Mass Radiography Unit of all children whose skin test gave a positive reaction. All other members of their families were also invited to attend for examination. These examinations were performed at five centres, viz., Caernarvon, Bangor, Llandudno, Portmadoc and Pwllheli, and children from outlying areas were conveyed to the centres by special buses.

TABLE 7

| No. Referred |       | Result of Examination. |       |               |       |       |                 |       |       |       |       | Failed to Attend |       |    |    |          |   |   |   |   |
|--------------|-------|------------------------|-------|---------------|-------|-------|-----------------|-------|-------|-------|-------|------------------|-------|----|----|----------|---|---|---|---|
|              |       | Positive               |       |               |       |       | For Observation |       |       |       |       |                  |       |    |    | Negative |   |   |   |   |
|              |       | Pulmonary              |       | Non-Pulmonary |       |       | Age             |       | Age   |       |       |                  |       |    |    |          |   |   |   |   |
|              |       | Age                    |       | Age           |       |       | Age             |       | Age   |       |       |                  |       |    |    |          |   |   |   |   |
| -5           | 5-16  | -5                     | 5-16  | -5            | 5-16  | -5    | 5-16            | -5    | 5-16  | -5    | 5-16  | -5               | 5-16  |    |    |          |   |   |   |   |
| M. F.        | M. F. | M. F.                  | M. F. | M. F.         | M. F. | M. F. | M. F.           | M. F. | M. F. | M. F. | M. F. | M. F.            | M. F. |    |    |          |   |   |   |   |
| 26           | 24    | 102                    | 68    | 1             | —     | 1     | 1               | —     | —     | —     | 4     | 1                | 24    | 22 | 93 | 58       | 1 | 2 | 4 | 8 |

TABLE 8. B.C.G. IMMUNISATION (ORIGINAL SCHEME)

| Year      | Preliminary Skin Tests |                   | Children Immunised with B.C.G. |     |      |       |       |    |      |      | Reaction after Immunisation |          |          |
|-----------|------------------------|-------------------|--------------------------------|-----|------|-------|-------|----|------|------|-----------------------------|----------|----------|
|           | Positive Reaction      | Negative Reaction | Age Period                     |     |      |       |       |    |      |      | Total                       | Positive | Negative |
|           |                        |                   | -1                             | 1-5 | 5-10 | 10-15 | 15-20 |    |      |      |                             |          |          |
| 1950..... | 10                     | 36                | 13                             | 10  | 6    | 7     | —     | —  | 36   | 36   | —                           |          |          |
| 1951..... | 41                     | 116               | 18                             | 35  | 35   | 26    | 2     | 2  | 116  | 114* | 1†                          |          |          |
| 1952..... | 22                     | 147               | 26                             | 61  | 34   | 22    | 4     | 4  | 147  | 147  | —                           |          |          |
| 1953..... | 34                     | 101               | 42                             | 25  | 18   | 12    | 4     | 4  | 101  | 101  | —                           |          |          |
| 1954..... | 25                     | 309               | 69                             | 80  | 96   | 52    | 12    | 12 | 309  | 309  | —                           |          |          |
| 1955..... | 45                     | 276               | 69                             | 91  | 75   | 33    | 8     | 8  | 276  | 266  | ‡                           |          |          |
| 1956..... | 28                     | 245               | 68                             | 74  | 81   | 19    | 3     | 3  | 245  | 242§ | —                           |          |          |
| TOTALS    | 205                    | 1230              | 305                            | 376 | 345  | 171   | 33    | 33 | 1230 | 1215 | 1                           |          |          |

† Child had negative reaction after first post-immunisation test and was given a second application but the parents refused further examination.

\* One child left the county before an examination could be made to ascertain the reaction.

‡ Ten children failed to attend for post-immunisation examination.

§ Three children failed to attend for post-immunisation examination.

TABLE 9

DETAILS OF MASS RADIOGRAPHY SURVEY CONDUCTED AMONGST CAERNARVONSHIRE SCHOOLS IN APRIL/MAY 1956 IN CONNECTION WITH B.C.G. IMMUNISATION.

ANALYSIS IN AGE GROUPS.

|                                       | <i>Grand Total</i> | <i>Under 15</i> |     | <i>15-24</i> |    | <i>25-34</i> |    | <i>35-44</i> |    | <i>45-59</i> |     | <i>60 and Over</i> |    | <i>Totals</i> |     |
|---------------------------------------|--------------------|-----------------|-----|--------------|----|--------------|----|--------------|----|--------------|-----|--------------------|----|---------------|-----|
|                                       |                    | M.              | F.  | M.           | F. | M.           | F. | M.           | F. | M.           | F.  | M.                 | F. | M.            | F.  |
| Total Number Examined .....           | 1052               | 280             | 248 | 80           | 71 | 22           | 45 | 42           | 93 | 54           | 100 | 7                  | 10 | 485           | 567 |
| Number found to be Abnormal .....     | 52                 | 6               | 6   | 1            | 2  | 3            | 1  | 1            | 8  | 11           | 8   | 2                  | 3  | 24            | 28  |
| Classification of Abnormal Cases :    |                    |                 |     |              |    |              |    |              |    |              |     |                    |    |               |     |
| (a) Pulmonary Tuberculosis .....      | —                  | —               | —   | —            | —  | —            | —  | —            | —  | —            | —   | —                  | —  | —             | —   |
| (b) Requiring further Observation ... | 19                 | 5               | 4   | 1            | —  | —            | 1  | —            | 3  | 4            | —   | —                  | 1  | 10            | 9   |
| (c) Other Abnormalities of the Chest. | 33                 | 1               | 2   | —            | 2  | 3            | —  | 1            | 5  | 7            | 8   | 2                  | 2  | 14            | 19  |

Table 9 gives details of the persons examined and the results of the examinations. Of 1,052 persons examined, none was found to be suffering from Pulmonary Tuberculosis. Nine children and ten adults were found to require observation, and three children and thirty adults were found to have other abnormalities of the chest. Details of these are given in Table 9.

DETAILS OF OTHER PULMONARY ABNORMALITIES FOUND  
DURING THE SURVEY OF CAERNARVONSHIRE SCHOOLS IN  
APRIL/MAY 1956.

TABLE 10

|                                                 | <i>Male</i> | <i>Female</i> | <i>Total</i> |
|-------------------------------------------------|-------------|---------------|--------------|
| Bony Abnormality. Congenital .....              | 1           | 4             | 5            |
| Pleural Thickening .....                        | 1           | —             | 1            |
| Emphysema .....                                 | 2           | 1             | 3            |
| Pulmonary Fibrosis (non-tuberculosis) .....     | 5           | 5             | 10           |
| Abnormality of Heart and Vessels—Congenital ... | —           | 1             | 1            |
| Abnormality of Heart and Vessels—Acquired ...   | 2           | 5             | 7            |
| Healed Primary Pulmonary Tuberculosis .....     | 3           | 3             | 6            |
| <b>TOTAL</b> .....                              | <b>14</b>   | <b>19</b>     | <b>33</b>    |

MASS RADIOGRAPHY SURVEY OF THE GENERAL POPULATION  
(EXAMINATION OF SCHOOL CHILDREN)

In addition to the special arrangements made for the examinations described above, the Mass Radiography Unit of the Welsh Regional Hospital Board conducted a survey of the general population in several areas in the county, including Lleyn, Bangor, Llandudno, Conway Valley and part of Gwyrfa. Details of school children examined in this survey and the results of the examination are given in Table 11.

# DETAILS OF CHILDREN EXAMINED BY MASS RADIOGRAPHY UNIT

TABLE 11

| SCHOOL                       | Number Examined |        | Number found Abnormal |        | Number found to be Tuberculous |        | Number Requiring further Observation |        | Number with other Abnormalities |        |
|------------------------------|-----------------|--------|-----------------------|--------|--------------------------------|--------|--------------------------------------|--------|---------------------------------|--------|
|                              | Male            | Female | Male                  | Female | Male                           | Female | Male                                 | Female | Male                            | Female |
| Portmadoc Grammar .....      | 206             | 199    | 3                     | 2      | —                              | —      | 1                                    | —      | 2                               | 2      |
| Portmadoc Primary.....       | 91              | 94     | 3                     | 2      | —                              | —      | 2                                    | 1      | 1                               | 1      |
| Portmadoc Infants .....      | 50              | 32     | 2                     | 3      | —                              | —      | 2                                    | 3      | —                               | —      |
| Tremadoc Primary .....       | 14              | 19     | —                     | —      | —                              | —      | —                                    | —      | —                               | —      |
| Criccieth Primary .....      | 72              | 69     | —                     | —      | —                              | —      | —                                    | —      | —                               | 1      |
| Abersoch Primary .....       | 17              | 17     | —                     | 1      | —                              | —      | —                                    | —      | —                               | —      |
| Deunant Primary.....         | 21              | 13     | —                     | —      | —                              | —      | —                                    | —      | —                               | —      |
| Llandudno Secondary Modern.  | 77              | 69     | 2                     | 1      | —                              | —      | —                                    | 1      | 2                               | —      |
| Llandudno Grammar .....      | 113             | 127    | 1                     | —      | —                              | —      | 1                                    | —      | —                               | —      |
| Pwllheli Schools .....       | 368             | 348    | 6                     | 12     | —                              | —      | 4                                    | 6      | 2                               | 6      |
| Bangor Secondary Modern ..   | 90              | 83     | 6                     | 8      | —                              | —      | 5                                    | 8      | 1                               | —      |
| Bangor Grammar .....         | —               | 186    | —                     | 7      | —                              | —      | —                                    | 6      | —                               | 1      |
| Bangor Friars .....          | 160             | —      | 14                    | —      | —                              | —      | 11                                   | —      | 3                               | —      |
| Trevor Primary .....         | 54              | 38     | —                     | —      | —                              | —      | —                                    | —      | —                               | —      |
| Mynytho Primary .....        | 33              | 35     | 1                     | 1      | —                              | —      | 1                                    | 1      | —                               | —      |
| Caernarvon Sec. Modern ..... | 93              | 112    | 4                     | 2      | —                              | —      | 4                                    | 2      | —                               | —      |
| Waulfawr Primary .....       | 47              | 64     | 1                     | —      | —                              | —      | 1                                    | —      | —                               | —      |
| Caernarvon Grammar .....     | 165             | 149    | 10                    | 7      | —                              | —      | 9                                    | 6      | 1                               | 1      |
| Rhosgadfan Primary .....     | 31              | 29     | 1                     | 3      | —                              | —      | 1                                    | 3      | —                               | —      |
| Rhyd-ddu Primary .....       | 11              | 7      | —                     | —      | —                              | —      | —                                    | —      | —                               | —      |
| Beddgelert Primary .....     | 18              | 11     | 1                     | 1      | —                              | —      | —                                    | —      | 1                               | 1      |
| Bethesda Grammar .....       | 96              | 94     | 1                     | —      | —                              | —      | —                                    | —      | 1                               | —      |
| Dolgarrog Central .....      | 38              | 23     | —                     | —      | —                              | —      | —                                    | —      | —                               | —      |
| Conway Sec. Modern .....     | 85              | 76     | —                     | —      | —                              | —      | —                                    | —      | —                               | —      |
| Miscellaneous .....          | 27              | 33     | 2                     | 7      | —                              | —      | 1                                    | 3      | 1                               | 4      |
| TOTALS .....                 | 1977            | 1927   | 58                    | 57     | —                              | —      | 43                                   | 40     | 15                              | 17     |

## HANDICAPPED PUPILS

Ascertainment of Handicapped Pupils under Section 34 of the Education Act, 1944, continued during the year.

Table 12 gives details of Caernarvonshire children classified as Handicapped Pupils according to the definitions prescribed in the School Health Service and Handicapped Pupils Regulations, 1953.

Difficulty in obtaining admission for some Handicapped Pupils to Special Schools remains acute.

Special educational treatment given during their early lives when they are best able to assimilate it, will not only help these unfortunate children to maintain themselves in later life, but will remove, at least partially, the unhappiness and feeling of helplessness which they otherwise endure. These extracts from reports received on the progress made by a selection of children after admission to Special Schools is of interest. The reports on deaf children again demonstrate the absolute necessity of giving special attention to such children as soon as their deafness is ascertained. If parents follow the advice and supervision given to them in future at the new Audiology Clinic, deaf children will no longer remain dumb or partially dumb.

No. 1. BLIND. OPTIC ATROPHY.

Date of birth : 9.6.49.

Admitted to Special School on 16.4.56 when aged 6 years.

Report made December 1956.

Welsh—enjoys Welsh stories and songs.

Braille—can now make out simple sentences.

Arithmetic—can now do 1.2.4.6.8 on Taylor Frame, but progress slow.

General—active and inquiring, happy and social. Talkative and polite.

Has made fair progress.

No. 2. BLIND. OPTIC ATROPHY.

Date of birth : 10.9.41.

Admitted to Special School in October 1943.

Report made December 1956.

Speech—good.

Braille—writing—good.

Braille—reading—very good.

Typewriting—very good indeed.

Music—lessons carefully prepared. A good term's work.

General—She is an active child and tried hard and has made good progress. She will be suitable for training after the age of 16.

No. 3. PARTIALLY SIGHTED. RETROLENTAL FIBROPLASIA.

Date of birth : 9.2.51.

Admitted to Special School on 16.4.56 when aged 5 years 2 months.

Report dated December 1956.

Welsh composition—A fluent Welsh speaker who has a good interest in things.

Arithmetic—can count to 15. Uses keyboards and can place cubes in 2s, 3s and 4s.

Singing and music—enjoys singing with others and on his own.

Scripture—shows a keen interest in Bible stories.

Nature—shows an interest in the world of nature.

General—Terry has adjusted himself well to school life. Is always happy and cheerful and has a wonderful sense of humour. Is active and inquiring, well liked by other children.

#### No. 4. DEAF.

Date of Birth : 27.8.49.

Admitted to Special School 14.9.54 when aged 5 years 1 month.

Report dated July 1956.

Speech—Spontaneous speech. Clear, impressive voice, frequently used.

Reading—very good, shows a keen interest.

Arithmetic—addition to 20. Can count aloud to 30.

Conduct—works well and will make other children work.

General—Benefits from Group Aid. She is well able to compete with other children in the class.

#### No. 5. DEAF AND DUMB.

Reported to be very deaf by Consultant in February 1948, and recommended for admission to Special School. The parents refused to agree and their consent was finally obtained early in 1953, after several special visits by the Principal School Medical Officer and two visits by the local representatives on the Council. The parents were also taken to inspect a Special School in Southport and the one in Llandrindod Wells before they gave their consent.

Date of birth : 14.12.43.

Admitted to Special School on 6.1.53 when aged 9 years 2 months.

Report dated December 1956.

Speech—slight improvement but poor memory.

Written language—small vocabulary and poor memory hampers progress.

Arithmetic—steady improvement, but occasionally forgets simple facts.

Needlework—quite good.

Cookery—quite good, tried very hard.

Physical training—good, progress made.

Manners—very good.

Conduct—good.

General—Is willing to try, but soon gives up if first attempt is a failure.

## No. 6. MALADJUSTED AND EPILEPTIC.

Date of birth : 21.2.41.

Admitted to Special School 28.9.45 when aged 4 years 7 months.

Headmaster reported October 1949—pupil making very satisfactory progress. He was awarded first prize in the form.

Child was seen by Speech Therapist in November 1949. The Speech Therapist's recommendations were conveyed to the Headmaster. Child seen by County Medical Officer of Health in May 1950. Child transferred to the Merton House School, Penmaenmawr, in September 1950. Child seen again by County Medical Officer of Health in October 1952 and he recommended that the child be allowed to stay at the school. Transferred to the Blue Coat School, Liverpool, in September 1954. He has now found employment as a clerk in Liverpool.

TABLE 12

| <i>Category</i>                | <i>Attend-<br/>ing<br/>Special<br/>Schools</i> | <i>Attend-<br/>ing<br/>Ordinary<br/>Schools</i> | <i>Receiving<br/>Home<br/>Tuition</i> | <i>At<br/>Home</i> | <i>Totals</i> | <i>Requiring<br/>places at<br/>Special<br/>Schools<br/>but re-<br/>maining<br/>unplaced</i> |
|--------------------------------|------------------------------------------------|-------------------------------------------------|---------------------------------------|--------------------|---------------|---------------------------------------------------------------------------------------------|
| Blind .....                    | 5                                              | —                                               | —                                     | 1                  | 6             | 1                                                                                           |
| Partially Sighted .....        | 2                                              | 9                                               | —                                     | —                  | 11            | 1                                                                                           |
| Deaf .....                     | 6                                              | —                                               | —                                     | —                  | 6             | —                                                                                           |
| Partially Deaf .....           | 1                                              | 23                                              | —                                     | —                  | 24            | 2                                                                                           |
| Delicate .....                 | 1                                              | 14                                              | —                                     | —                  | 15            | 9                                                                                           |
| Physically Handicapped .....   | 4                                              | 31                                              | 4                                     | 1                  | 40            | 14                                                                                          |
| Educationally Sub-normal ..... | 30                                             | 203                                             | —                                     | —                  | 233           | 94                                                                                          |
| Maladjusted .....              | 3                                              | 5                                               | —                                     | —                  | 8             | 1                                                                                           |
| Epileptic .....                | 1                                              | 1                                               | —                                     | —                  | 2             | 1                                                                                           |
| Speech Defect .....            | —                                              | 7                                               | —                                     | —                  | 7             | —                                                                                           |
| <b>TOTALS .....</b>            | <b>53</b>                                      | <b>293</b>                                      | <b>4</b>                              | <b>2</b>           | <b>352</b>    | <b>123</b>                                                                                  |

Shortage of staff has prevented all children being ascertained and, therefore, this table does not reflect accurately the total number of handicapped school children in the county.

## SCHOOL DENTAL SERVICES

This report on the Dental Services was prepared by the Principal School Dental Officer.

"To the Principal School Medical Officer.

Dear Sir,

I have the honour to present the following account of the County Dental Service for the year 1956. We were glad to welcome Mr. J. B. Crowther, who rejoined the service in March of this year, bringing the number of Dental Officers working to four. This total was unfortunately shortlived owing to Mr. H. Parry's absence through sickness from July onwards.

### *Llanberis Clinic.*

Mr. G. H. Wilson started work at the new Llanberis Clinic in September. The dental department of this beautifully designed clinic is fully equipped, and according to Mr. Wilson, a delight to work in. This clinic is used regularly for three sessions per week, quite apart from periods when the Dental Officer is in permanent attendance treating local schools.

Mr. G. H. Wilson has found an encouraging increase in the numbers of children who have accepted treatment particularly in the country areas.

### *Mobile Dental Clinic*

The new Mobile Dental Caravan delivered in September has been used to treat the children of Vaynol and Dolgarrog Schools. Equipped with electric lights, water and space heaters, it consists of a well fitted surgery (including X-ray), a recovery room and a waiting cum dark room on wheels.

It has caused great interest amongst teachers, parents and children, particularly the latter, many of whom have accepted treatment for the first time when the caravan visited their school. I would like to thank the Fire Service for their help in moving the caravan.

### *General Anaesthetics*

Anaesthetist : Dr. H. Edwards, M.R.C.S., L.R.C.P., F.F.A., D.A.

249 general anaesthetics were administered in 1956. It was found that Caernarvon Dental Clinic was too small, and the neighbouring rooms too often occupied to enable gas sessions to be carried on satisfactorily.

### *Orthodontic Treatment*

Less orthodontic work has been carried on at the Bangor Clinic, mainly due to my working in other areas of the county for a considerable part of the year.

|                                                    |     |
|----------------------------------------------------|-----|
| Impressions taken.....                             | 116 |
| Appliances adjusted .....                          | 117 |
| Cases commenced during the year .....              | 23  |
| Cases carried forward from the previous year ..... | 33  |
| Cases completed during the year .....              | 26  |
| Cases discontinued .....                           | 8   |
| Pupils treated with appliances .....               | 37  |
| Appliances fitted .....                            | 40  |
| Total attendances .....                            | 209 |

### *Artificial Dentures*

Nine pupils were supplied with artificial dentures. This is a rather sad aspect of the service, which unfortunately cannot always be avoided, i.e., in cases of extreme neglect or accident.

### *Radiography*

119 X-rays were taken in the course of the year.

### *Cases referred to Oral Consultant*

Six cases were referred to Dr. F. G. Hardman, M.B., Ch.B., F.D.S., M.R.C.S., Oral Consultant.

In conclusion I would like to thank all the Dental Officers and Attendants.

Yours faithfully,

D. McINTYRE".

TABLE 13

## DENTAL INSPECTION AND TREATMENT

|                                                                     |              |
|---------------------------------------------------------------------|--------------|
| (1) Number of pupils inspected by the Authority's Dental Officers : |              |
| (a) Periodic age groups .....                                       | 6,157        |
| (b) Specials .....                                                  | 203          |
| Total (1) .....                                                     | <u>6,360</u> |
| (2) Number found to require treatment .....                         | 4,125        |
| (3) Number referred for treatment .....                             | 4,054        |
| (4) Number actually treated.....                                    | 2,037        |
| (5) Attendances made by pupils for treatment .....                  | 6,070        |
| (6) Half-days devoted to Inspection .....                           | 111          |
| Treatment .....                                                     | <u>1,263</u> |
| Total (6) .....                                                     | <u>1,374</u> |
| (7) Fillings :                                                      |              |
| Permanent Teeth .....                                               | 3,728        |
| Temporary Teeth .....                                               | 814          |
| Total (7) .....                                                     | <u>4,542</u> |
| (8) Number of teeth filled :                                        |              |
| Permanent Teeth .....                                               | 3,414        |
| Temporary Teeth .....                                               | 730          |
| Total (8) .....                                                     | <u>4,144</u> |
| (9) Extractions :                                                   |              |
| Permanent Teeth .....                                               | 270          |
| Temporary Teeth .....                                               | 1,347        |
| Total (9) .....                                                     | <u>1,617</u> |
| (10) Administration of General Anaesthetics for extraction.....     | 249          |
| (11) Other operations :                                             |              |
| Permanent Teeth .....                                               | 4,172        |
| Temporary Teeth .....                                               | 111          |
| Total (11) .....                                                    | <u>4,283</u> |

## ORTHODONTICS

|                                                          |     |
|----------------------------------------------------------|-----|
| Cases commenced during the year .....                    | 23  |
| Cases carried forward from previous year .....           | 33  |
| Cases completed during the year .....                    | 26  |
| Cases discontinued during the year .....                 | 8   |
| Pupils treated with appliances .....                     | 37  |
| Removable appliances fitted .....                        | 40  |
| Fixed appliances fitted .....                            | —   |
| Total attendances .....                                  | 209 |
| Number of pupils supplied with artificial dentures ..... | 9   |

TABLE 14

## ROUTINE INSPECTIONS

| <i>Age</i> | <i>No. of Children<br/>found to require<br/>Treatment</i> | <i>No. of Children<br/>not requiring<br/>Treatment</i> | <i>Total Inspected</i> |
|------------|-----------------------------------------------------------|--------------------------------------------------------|------------------------|
| 2          | —                                                         | —                                                      | —                      |
| 3          | 19                                                        | 34                                                     | 53                     |
| 4          | 131                                                       | 165                                                    | 296                    |
| 5          | 244                                                       | 278                                                    | 522                    |
| 6          | 353                                                       | 200                                                    | 553                    |
| 7          | 474                                                       | 184                                                    | 658                    |
| 8          | 540                                                       | 247                                                    | 787                    |
| 9          | 517                                                       | 259                                                    | 776                    |
| 10         | 388                                                       | 210                                                    | 598                    |
| 11         | 370                                                       | 234                                                    | 604                    |
| 12         | 260                                                       | 150                                                    | 410                    |
| 13         | 275                                                       | 140                                                    | 415                    |
| 14         | 227                                                       | 141                                                    | 368                    |
| 15         | 155                                                       | 61                                                     | 216                    |
| 16         | 59                                                        | 67                                                     | 126                    |
| 17         | 48                                                        | 49                                                     | 97                     |
| 18         | 10                                                        | 15                                                     | 25                     |
| 19         | 2                                                         | —                                                      | 2                      |
| 20         | —                                                         | —                                                      | —                      |
| TOTALS ... | 4072                                                      | 2434                                                   | 6506                   |

## MEDICAL AND SURGICAL TREATMENT

## MINOR AILMENTS

Health Visitors and District Nurses treated 516 minor ailments during 1956. These comprised 23 skin complaints, 19 eye conditions, 27 conditions of the ear, and 447 miscellaneous conditions. Attendances for treatment amounted to 839.

## VISUAL DEFECTS

The Ophthalmic Specialists examined 834 children during the year. Spectacles were prescribed for 666 children and another 71 received other forms of treatment. Health Visitors and District Nurses treated 19 children for minor eye conditions at the Clinics.

## EAR, NOSE AND THROAT

Of 119 children examined by the Specialist during 1956, 72 were advised to have operative treatment for tonsils and/or adenoids, and 26 were referred for other forms of treatment. The remaining 21 children required treatment for ear defects.

Details of treatment given to children during the year are given in this table :—

TABLE 15

| <i>Nature of Treatment</i>                                     | <i>Number Treated</i> |
|----------------------------------------------------------------|-----------------------|
| Operative treatment for Adenoids and Chronic Tonsillitis ..... | 48                    |
| Operative treatment for other Nose and Throat conditions ..... | 3                     |
| Other forms of treatment for Nose and Throat conditions .....  | 22                    |
| Treatment for Ear Defects .....                                | 15                    |
| <b>TOTAL TREATED .....</b>                                     | <b>88</b>             |

## SPEECH THERAPY

The Speech Therapist resigned her appointment in December 1955 and continued efforts to obtain a successor during 1956 proved unsuccessful. The service, therefore, had to be suspended during the whole of 1956.

## CHILD GUIDANCE

This service continued on a much depleted scale again in 1956, the clinics at Llandudno, Caernarvon, Pwllheli and Portmadoc remaining closed because of the impossibility of obtaining a suitably qualified Psychiatric Social Worker.

The service at the Bangor Clinic was continued under the able and energetic direction of Dr. E. Simmons, Consultant Child Psychiatrist.

The Education Committee, in conjunction with the other four North Wales Counties, have agreed to accept financial responsibility for the "Child Guidance Centre". Due to failure to obtain all the additional necessary staff the proposals have not yet been fully implemented.

Details of the children who received attention and treatment during 1956 are given in Table 16.

TABLE 16

## ANALYSIS OF CASES EXAMINED AT CHILD GUIDANCE CLINIC

| <i>Cause of Referral</i>   | <i>Consultation</i> |          | <i>Observation</i> |          | <i>Under Treatment</i> |          | <i>Total</i> |           |
|----------------------------|---------------------|----------|--------------------|----------|------------------------|----------|--------------|-----------|
|                            | M.                  | F.       | M.                 | F.       | M.                     | F.       | M.           | F.        |
| Assessment of Intelligence |                     |          |                    |          |                        |          |              |           |
| Quotient .....             | —                   | 3        | 1                  | —        | —                      | 1        | 1            | 4         |
| Backwardness .....         | 1                   | 2        | 4                  | 2        | 1                      | —        | 6            | 4         |
| Enuresis .....             | 1                   | 2        | 4                  | 2        | 2                      | 1        | 7            | 5         |
| Enuresis and Stealing..... | 1                   | —        | —                  | —        | —                      | —        | 1            | —         |
| Behaviour Disorder .....   | —                   | 1        | 3                  | —        | 3                      | 2        | 6            | 3         |
| Stealing .....             | 1                   | —        | —                  | —        | —                      | —        | 1            | —         |
| Nervousness.....           | —                   | —        | 1                  | 1        | —                      | 1        | 1            | 2         |
| <b>TOTALS .....</b>        | <b>4</b>            | <b>8</b> | <b>13</b>          | <b>5</b> | <b>6</b>               | <b>5</b> | <b>23</b>    | <b>18</b> |

### ORTHOPTIC TREATMENT

This is a summary of the work performed during the year :

1. Number of patients attending at the beginning of the year :

| <i>Clinic.</i>   | <i>No. of Patients</i> |
|------------------|------------------------|
| Llandudno .....  | 127                    |
| Caernarvon ..... | 84                     |
| Pwllheli .....   | 62                     |
| Portmadoc .....  | 34                     |
| Bangor .....     | 152                    |

2. Number of new patients seen during the year :

| <i>Clinic.</i>   | <i>No. of Patients</i> |
|------------------|------------------------|
| Llandudno .....  | 18                     |
| Caernarvon ..... | 21                     |
| Pwllheli .....   | 6                      |
| Portmadoc .....  | 4                      |
| Bangor .....     | 11                     |

- |                                                                   |     |
|-------------------------------------------------------------------|-----|
| 3. Number of new and old patients occluded .....                  | 79  |
| 4. Number of new and old patients given orthoptic treatment ..... | 134 |
| 5. Number of operations performed .....                           | 43  |
| 6. Number discharged :                                            |     |
| (a) Satisfactory .....                                            | 81  |
| (b) Cosmetically satisfactory .....                               | 36  |
| (c) Failed to attend .....                                        | 3   |
| (d) Unsuitable .....                                              | 3   |

### ORTHOPAEDIC TREATMENT

The Orthopaedic Specialist examined 618 children, including 134 children who were seen for the first time at the Survey Clinics held at Caernarvon, Bangor, Pwllheli and Llandudno. The Council's Physiotherapist treated 167 children in the After-Care Clinics. Children treated in hospital totalled 20.

I have received this report from the Council's Physiotherapist on the work done during the year :—

'To the Principal School Medical Officer.

Dear Sir,

During the year 1956 Mr. G. I. Roberts, the Orthopaedic Consultant, attended Survey Clinics throughout the county—one being held each month at each centre in turn. A large number of children were invited and the attendance was very good.

Some were advised treatment either :

- |                          |               |
|--------------------------|---------------|
| 1. Massage and exercises | } treatments. |
| 2. Infra Red             |               |
| 3. Electrical            |               |

These were all carried out in the respective clinics once weekly—others were advised :—

1. Special shoes.
2. Callipers.
3. Splints.
4. Surgical alterations to their shoes—which are all done through the Derwen Cripples Workshops, Oswestry.

We are now able to advise chiropody treatment for children through the scheme—which is an excellent thing as many children wearing irons develop callosities. I find all Chiropodists in the county very helpful in attending to these cases immediately.

Some children are advised X-ray and some hospital treatment which is carried out at the Eryri Hospital, Caernarvon. The co-operation of the parents in most cases was excellent.

One small child was referred to Roehampton for an artificial arm.

During 1956 there has been a great increase of children referred for breathing exercises and postural drainage. In the majority of these cases great benefit has been derived.

Sunray Clinics are held once weekly in each centre and the children improve greatly by this treatment.

May I take this opportunity of thanking doctors for their advice when problems arise and all Health Visitors for their help and co-operation in following up cases for me, also Miss Croxford for her willing and able help in obtaining shoes for the needy cases when they have to be surgically altered, and also the clerical staff for their help in the smooth running of the Orthopaedic Scheme.

I would like to say that I consider all cases should have treatment at least twice a week.

Yours faithfully,

M. FISHER WILLIAMS

Physiotherapist".

A summary of the treatment performed at these clinics during 1956 is given in these tables :—

TABLE 17  
SURVEY CLINICS

| <i>Place held.</i> | <i>No.<br/>of<br/>Ses-<br/>sions</i> | <i>Number<br/>Examined</i> |                      | <i>Treatment Recommended</i> |                         |                                         |                                      |                                  | <i>No.<br/>Dis-<br/>char'd</i> |
|--------------------|--------------------------------------|----------------------------|----------------------|------------------------------|-------------------------|-----------------------------------------|--------------------------------------|----------------------------------|--------------------------------|
|                    |                                      | <i>New<br/>Cases</i>       | <i>Old<br/>Cases</i> | <i>Hosp-<br/>ital</i>        | <i>Appli-<br/>ances</i> | <i>Mass-<br/>age<br/>and<br/>S.R.E.</i> | <i>Ob-<br/>ser-<br/>va-<br/>tion</i> | <i>Other<br/>Treat-<br/>ment</i> |                                |
| Llandudno .....    | 6                                    | 28                         | 98                   | 3                            | 30                      | 13                                      | 41                                   | 2                                | 34                             |
| Pwllheli .....     | 6                                    | 37                         | 125                  | 5                            | 36                      | 25                                      | 46                                   | —                                | 45                             |
| Bangor .....       | 6                                    | 35                         | 96                   | 7                            | 41                      | 14                                      | 44                                   | 1                                | 23                             |
| Caernarvon.....    | 6                                    | 34                         | 165                  | 4                            | 56                      | 14                                      | 55                                   | 3                                | 63                             |
| TOTALS ...         | 24                                   | 134                        | 484                  | 19                           | 163                     | 66                                      | 186                                  | 6                                | 165                            |

TABLE 18  
HOSPITAL TREATMENT

|                                                                    |    |
|--------------------------------------------------------------------|----|
| No. of children on waiting list at the beginning of the year ..... | 2  |
| No. of children advised hospital treatment during the year .....   | 21 |
| No. of children admitted to hospital during the year .....         | 20 |
| No. of children discharged from hospital during the year .....     | 20 |
| No. of children whose parents refused hospital treatment .....     | 3  |
| No. of children on waiting list at the end of the year .....       | —  |

TABLE 19  
AFTER-CARE CLINICS

| <i>Place held.</i> | <i>No. of<br/>Sessions</i> | <i>Individual Cases<br/>who attended</i> | <i>Total<br/>Attendances</i> |
|--------------------|----------------------------|------------------------------------------|------------------------------|
| Llandudno .....    | 42                         | 24                                       | 241                          |
| Bangor .....       | 34                         | 41                                       | 318                          |
| Caernarvon.....    | 45                         | 49                                       | 481                          |
| Portmadoc .....    | 42                         | 15                                       | 150                          |
| Pwllheli .....     | 43                         | 38                                       | 370                          |
| TOTALS .....       | 206                        | 167                                      | 1560                         |

TABLE 20  
ULTRA VIOLET RAY CLINICS.

| <i>Place held.</i> | <i>No of Sessions<br/>Held</i> | <i>Individual Cases<br/>who attended</i> | <i>Total<br/>Attendances</i> |
|--------------------|--------------------------------|------------------------------------------|------------------------------|
| Llandudno .....    | 44                             | 60                                       | 737                          |
| Bangor .....       | 42                             | 48                                       | 391                          |
| Caernarvon.....    | 48                             | 58                                       | 1031                         |
| Pwllheli .....     | 43                             | 8                                        | 83                           |
| Portmadoc .....    | 35                             | 11                                       | 109                          |
| TOTALS .....       | 212                            | 185                                      | 2351                         |

## INCIDENCE OF INFECTIOUS DISEASES AMONGST CHILDREN BELOW SCHOOL LEAVING AGE

### POLIOMYELITIS

Twelve children were notified as suffering from Poliomyelitis during 1956, but the diagnosis was subsequently amended in two instances. Of the ten confirmed cases, two normally resided in Caernarvonshire and eight resided outside the county. All the children were admitted into hospital. The two Caernarvonshire children received physiotherapy after leaving hospital.

### IMMUNISATION AGAINST POLIOMYELITIS

In January 1956 the Welsh Board of Health informed Local Health Authorities that a certain amount of vaccine, believed to confer a degree of protection against Paralytic Poliomyelitis, would be available for use during the early part of the year. Due to the shortage of vaccine the Minister proposed that only certain children born between 1947 and 1954 inclusive be immunised. Immunisation was eventually confined to children born in the months of November, 1947--1954, and March 1951--1954, with children born in August 1947--1954 forming a reserve.

A total of 290 children were immunised during 1956.

### DYSENTERY

There were no major outbreaks of Dysentery in Caernarvonshire schools during 1956, only 27 school children being notified during the year.

### NOTIFICATION OF INFECTIOUS DISEASES

Details of Notifications of Infectious Diseases among children below school leaving age are given below :—

TABLE 21

| <i>Disease.</i>                    | <i>Number<br/>Notified</i> |
|------------------------------------|----------------------------|
| Scarlet Fever .....                | 32                         |
| Whooping Cough .....               | 133                        |
| Acute Poliomyelitis.....           | 10                         |
| Measles .....                      | 1523                       |
| Acute Pneumonia .....              | 11                         |
| Meningococcal Infections .....     | 1                          |
| Dysentery and Food Poisoning ..... | 27                         |
| Chickenpox .....                   | 7                          |

### DIPHTHERIA IMMUNISATION

The effectiveness of immunisation in controlling Diphtheria is demonstrated in Table 23 on page 32. It is particularly interesting to observe that 1956 was the fifth successive year during which no cases were notified and the eleventh successive year during which no child who had been completely immunised suffered or died from the disease.

These encouraging facts could, however, create a false sense of security. Some of our younger parents, because they have no experience of Diphtheria and its dangers, tend to regard immunisation as an unnecessary discomfort

to their children. It cannot be too often emphasised that the disease will again become a “killer” and a “mainer” unless parents ensure that their children are immunised against it. The Medical, Health Visiting and Nursing Staffs continue to impress upon all parents the importance of securing for their children free protection against diphtheria. They emphasise the suffering and danger to which the children may be exposed by their failure to secure this simple means of protection—a first class insurance.

It is interesting to record that more than forty-five thousand (45,000) children have been protected and approximately 239,103 initial and “boosting” injections given by the Council’s staff since 1939.

Children who completed the full course of immunisation during 1956 totalled 1,109. School Medical Officers immunised 521 of these, and General Practitioners immunised 588. During the year 905 other children received reinforcing injections.

Details of children immunised are given in Table 22.

TABLE 22

|                          | 0-4 years | 5-14 years | Total |
|--------------------------|-----------|------------|-------|
| Child Population .....   | 8000      | 16800      | 24800 |
| Children Immunised ..... | 4579      | 13321      | 17900 |
| Percentage .....         | 57.24     | 79.29      | 72.18 |

ANALYSIS OF THE ABOVE TABLE

| Year of Birth                 | 1942-1946 | 1947-1951 | 1952 | 1953 | 1954 | 1955 | 1956 | Total |
|-------------------------------|-----------|-----------|------|------|------|------|------|-------|
| No. of Children Immunised ... | 6230      | 7091      | 1317 | 1195 | 996  | 903  | 168  | 17900 |

# DIPHTHERIA—INCIDENCE AND MORTALITY (ADULTS AND CHILDREN)

RATES PER 100,000 POPULATION

TABLE 23

| <i>Year</i> | <b>Incidence.</b>         |                        | <b>Mortality.</b> |                       |
|-------------|---------------------------|------------------------|-------------------|-----------------------|
|             | <i>Cases<br/>Notified</i> | <i>Attack<br/>Rate</i> | <i>Deaths</i>     | <i>Death<br/>Rate</i> |
| 1913        | 175                       | 140                    | 19                | 15                    |
| 1914        | 227                       | 182                    | 16                | 13                    |
| 1915        | 171                       | 147                    | 13                | 11                    |
| 1916        | 164                       | 146                    | 30                | 27                    |
| 1917        | 76                        | 73                     | 12                | 11                    |
| 1918        | 55                        | 53                     | 6                 | 6                     |
| 1919        | 82                        | 73                     | 7                 | 6                     |
| 1920        | 124                       | 107                    | 11                | 9                     |
| 1921        | 287                       | 235                    | 23                | 19                    |
| 1922        | 223                       | 183                    | 16                | 13                    |
| 1923        | 102                       | 85                     | 2                 | 2                     |
| 1924        | 58                        | 48                     | 1                 | 1                     |
| 1925        | 67                        | 56                     | 4                 | 3                     |
| 1926        | 41                        | 34                     | 1                 | 1                     |
| 1927        | 57                        | 47                     | 4                 | 3                     |
| 1928        | 81                        | 65                     | 12                | 9                     |
| 1929        | 142                       | 115                    | 9                 | 7                     |
| 1930        | 96                        | 79                     | 5                 | 4                     |
| 1931        | 93                        | 78                     | 7                 | 5                     |
| 1932        | 133                       | 111                    | 6                 | 5                     |
| 1933        | 110                       | 92                     | 4                 | 3                     |
| 1934        | 61                        | 51                     | 3                 | 2                     |
| 1935        | 97                        | 81                     | 3                 | 2                     |
| 1936        | 124                       | 103                    | 6                 | 5                     |
| 1937        | 330                       | 277                    | 9                 | 7                     |
| 1938        | 260                       | 211                    | 6                 | 5                     |
| 1939        | 202                       | 169                    | 8                 | 7                     |
| 1940        | 175                       | 137                    | 10                | 8                     |
| 1941        | 204                       | 143                    | 10                | 6                     |
| 1942        | 242                       | 176                    | 8                 | 7                     |
| 1943        | 159                       | 120                    | 3                 | 2                     |
| 1944        | 85                        | 67                     | 3                 | 2                     |
| 1945        | 91                        | 74                     | 3                 | 3                     |
| 1946        | 19                        | 15                     | 1                 | 1                     |
| 1947        | 19                        | 15                     | —                 | —                     |
| 1948        | 18                        | 14                     | —                 | —                     |
| 1949        | 2                         | 1.6                    | —                 | —                     |
| 1950        | 1                         | 0.8                    | 1 (adult)         | 0.8                   |
| 1951        | 2                         | 1.6                    | —                 | —                     |
| 1952        | —                         | —                      | —                 | —                     |
| 1953        | —                         | —                      | —                 | —                     |
| 1954        | —                         | —                      | —                 | —                     |
| 1955        | —                         | —                      | —                 | —                     |
| 1956        | —                         | —                      | —                 | —                     |

## MILK IN SCHOOLS SCHEME

The County Health Officer, who is responsible for the supervision of the standard, quality and safety of milk supplied to schools, has submitted this report for the period 1st April to 30th December, 1956.

"To the Principal School Medical Officer.

Dear Sir,

*Milk Supplies to Schools.*

There are 163 schools in the county and the average number of children who are supplied with milk in one-third pint bottles is approximately 15,500. 159 schools are supplied with either Tuberculin Tested Pasteurised Milk or Pasteurised Milk, and the remaining 4 schools are supplied with milk from attested herds, two of which hold a Tuberculin Tested milk licence.

It is very satisfying to note that the majority of the schools are supplied with pasteurised milk, which we know is safe and free from pathogenic organisms of bovine or human origin, providing the milk is not contaminated during the bottling process.

| <i>Grade of Milk.</i>   | <i>Number of Schools Supplied.</i> |      |      |      |      |
|-------------------------|------------------------------------|------|------|------|------|
|                         | 1952                               | 1953 | 1954 | 1955 | 1956 |
| Tuberculin Tested ..... | 11                                 | 4    | 2    | 2    | 2    |
| Ungraded .....          | 12                                 | 3    | 2    | 2    | 2    |
| T.T. Pasteurised .....  | 18                                 | 8    | 8    | 8    | 8    |
| Pasteurised .....       | 127                                | 153  | 155  | 155  | 151  |

168 milk samples were taken for bacteriological examination and the phosphatase test; all pasteurised milks, except one, satisfied the statutory tests. In regard to the unpasteurised milk supply, three samples failed the Methylene Blue reductase test, indicating that the keeping quality of the milk was unsatisfactory.

It would be advisable to have all the schools supplied with pasteurised milk.

*Bacteriological Examination of Milk from Schools.*

| <i>Grade of Milk.</i>  | <i>Number Taken</i> | <i>Number Satisfactory</i> | <i>Number Unsatisfactory</i> |
|------------------------|---------------------|----------------------------|------------------------------|
| Tuberculin Tested..... | 4                   | 2                          | 2                            |
| Ungraded .....         | 2                   | 1                          | 1                            |
| T.T. Pasteurised ..... | 12                  | 12                         | —                            |
| Pasteurised .....      | 150                 | 149                        | 1                            |
| TOTAL .....            | 168                 | 164                        | 4                            |

Four biological samples of unpasteurised milk to schools have been examined for the presence of tubercle bacilli and brucella abortus bacilli. All the results indicated that the herds were free of these diseases at the time of sampling.

Samples have been taken by the Food and Drugs Inspector to ascertain fat and solids not fat content of the milk, and whether any extraneous matter was present. All the samples taken were satisfactory.

Complaints were received in regard to an isolated case of glass in the school milk. This gives the Department grave concern, and thorough investigations have been made to ascertain the cause. No legal proceedings were instituted against the supplier as the evidence produced was insufficient for the taking of legal proceedings. In view of this type of complaint, consideration should be given to obtaining milk in cartons, which would obviate the dirty milk bottle and the danger of pieces of glass in the milk. There are disadvantages in regard to milk being supplied in a carton container, one being in particular the disposal of used cartons, but the advantages outweigh the disadvantages.

Yours faithfully,

ANEURIN JONES

County Health Officer".

### SCHOOL MEALS

This service provided meals for approximately 12,500 children during 1956 and the high standard of the meals provided was maintained.

Close co-operation between the School Meals Organiser and the County Health Officer has contributed to maintaining the high standard of cleanliness and safety in the kitchens throughout the county, as will be seen from these observations for the period 1st April to 31st December, 1956, which I have received from the County Health Officer.

"To the Principal School Medical Officer.

Dear Sir,

Approximately 12,500 meals are provided per day from 132 school kitchens and served at 159 schools. There are only four schools which do not provide facilities for meals in the county.

During the year 101 inspections have been made to the school kitchens, and since the full implementation of the Food Hygiene Regulations 1955 in July 1956 a survey of the kitchens and dining rooms has been commenced.

A high standard of hygiene is maintained at the majority of the school kitchens and schools, and credit is given to the School Meals Organiser and her staff for their supervision. No outbreaks or isolated cases of food poisoning or other illnesses attributed to foods have been notified during the year from schools.

During the course of the year improvements have been made in regard to the structures and equipment in the school kitchens; steps have been taken to provide adequate storage for foods and, in particular, refrigeration, and many school kitchens have been provided with adequate hand washing facilities in the kitchen. These works of improvement have been done to

attain a clean product when prepared, and to prevent the growth of bacteria and prolong the life of foods during their storage.

Experimentally five schools have been provided with paper towelling, and this obviates the use of dish cloths, wiping cloths and towels. This method is to be commended, as it prevents the spread of infection and is another step forward to safeguard the health of the children while in your care.

Eighteen inspections were made of shops supplying foods to schools, and examination was made at the schools of food supplied. The quality and standard of meat and other foods examined was satisfactory.

I wish to record that all assistance has been given to me from Head Teachers, the School Meals Organiser and the kitchen staff, when inspections have been made.

Yours faithfully,

ANEURIN JONES

County Health Officer".

## MINISTRY OF EDUCATION MEDICAL INSPECTION RETURNS

FOR THE YEAR 31ST DECEMBER, 1956.

*Medical Inspection of Pupils Attending Maintained Primary and  
Secondary Schools (including Special Schools)*

### A. PERIODIC MEDICAL INSPECTIONS.

|                                                  |      |
|--------------------------------------------------|------|
| Number of Inspections in the prescribed Groups : |      |
| Entrants .....                                   | 1503 |
| Second Age Group .....                           | 1435 |
| Third Age Group .....                            | 1202 |
| Total .....                                      | 4140 |
| Number of other Periodic Inspections .....       | 315  |
| Grand Total .....                                | 4455 |

### B. OTHER INSPECTIONS.

|                                     |      |
|-------------------------------------|------|
| Number of Special Inspections ..... | 2609 |
| Number of Re-Inspections .....      | 4441 |
| Total .....                         | 7050 |

## C. PUPILS FOUND TO REQUIRE TREATMENT.

| <i>Group</i>                 | <i>For Defective Vision<br/>(excluding squint)</i> | <i>For any of the other conditions<br/>recorded in Table*</i> | <i>Total Individual Pupils</i> |
|------------------------------|----------------------------------------------------|---------------------------------------------------------------|--------------------------------|
| Entrants .....               | 7                                                  | 82                                                            | 83                             |
| Second Age Group .....       | 64                                                 | 65                                                            | 120                            |
| Third Age Group .....        | 60                                                 | 30                                                            | 86                             |
| Total (prescribed groups)... | 131                                                | 177                                                           | 289                            |
| Other Periodic Inspections.  | 12                                                 | 12                                                            | 23                             |
| Grand Total .....            | 143                                                | 189                                                           | 312                            |

*Return of Defects found by Medical Inspection in the Year ended 31st*

*December, 1956*

TABLE 1\*

| <i>Defect Code No.</i> | <i>Defect or Disease</i> | <i>Periodic Inspections</i> |                              | <i>Special Inspections</i> |                              |
|------------------------|--------------------------|-----------------------------|------------------------------|----------------------------|------------------------------|
|                        |                          | <i>No. of Defects</i>       |                              | <i>No. of Defects</i>      |                              |
|                        |                          | <i>Requiring treatment</i>  | <i>Requiring observation</i> | <i>Requiring treatment</i> | <i>Requiring observation</i> |
| 4                      | Skin .....               | 16                          | 126                          | 35                         | 59                           |
| 5                      | Eyes : (a) Vision .....  | 143                         | 166                          | 107                        | 46                           |
|                        | (b) Squint .....         | 30                          | 63                           | 15                         | 36                           |
|                        | (c) Other .....          | 8                           | 64                           | 9                          | 30                           |
| 6                      | Ears : (a) Hearing ..... | 14                          | 53                           | 6                          | 30                           |
|                        | (b) Otitis Media .....   | —                           | 38                           | 3                          | 24                           |
|                        | (c) Other .....          | 2                           | 6                            | —                          | 7                            |
| 7                      | Nose and Throat.....     | 34                          | 644                          | 99                         | 331                          |
| 8                      | Speech .....             | 1                           | 59                           | 4                          | 32                           |
| 9                      | Lymphatic Glands .....   | 1                           | 140                          | 4                          | 102                          |
| 10                     | Heart .....              | 8                           | 132                          | 9                          | 27                           |
| 11                     | Lungs .....              | 18                          | 151                          | 54                         | 93                           |
| 12                     | Developmental :          |                             |                              |                            |                              |
|                        | (a) Hernia .....         | —                           | 11                           | 3                          | 6                            |
|                        | (b) Other .....          | 3                           | 73                           | 5                          | 43                           |
| 13                     | Orthopaedic :            |                             |                              |                            |                              |
|                        | (a) Posture .....        | 2                           | 30                           | 3                          | 7                            |
|                        | (b) Feet .....           | 30                          | 87                           | 36                         | 43                           |
|                        | (c) Other .....          | 10                          | 119                          | 15                         | 48                           |
| 14                     | Nervous system :         |                             |                              |                            |                              |
|                        | (a) Epilepsy .....       | —                           | 3                            | 2                          | 1                            |
|                        | (b) Other .....          | 2                           | 23                           | 3                          | 11                           |
| 15                     | Psychological :          |                             |                              |                            |                              |
|                        | (a) Development .....    | 2                           | 31                           | 4                          | 10                           |
|                        | (b) Stability .....      | —                           | 34                           | 1                          | 12                           |
| 16                     | Abdomen .....            | 2                           | 30                           | —                          | 15                           |
| 17                     | Other .....              | 3                           | 41                           | 20                         | 20                           |

## GROUP 1.—EYE DISEASES, DEFECTIVE VISION AND SQUINT.

|                                                                     | <i>Number of cases known to have been dealt with.</i> |                  |
|---------------------------------------------------------------------|-------------------------------------------------------|------------------|
|                                                                     | <i>By the Authority</i>                               | <i>Otherwise</i> |
| External and other, excluding errors of refraction and squint ..... | —                                                     | 71               |
| Errors of refraction (including squint) .....                       | —                                                     | 763              |
| TOTAL .....                                                         | —                                                     | 834              |
| Number of pupils for whom spectacles were prescribed                | —                                                     | 666              |

## GROUP 2.—DISEASES AND DEFECTS OF EAR, NOSE AND THROAT.

|                                                                                           | <i>Number of cases known to have been treated.</i> |                  |
|-------------------------------------------------------------------------------------------|----------------------------------------------------|------------------|
|                                                                                           | <i>By the Authority</i>                            | <i>Otherwise</i> |
| Received operative treatment :                                                            |                                                    |                  |
| (a) for diseases of the ear .....                                                         | —                                                  | —                |
| (b) for adenoids and chronic tonsillitis .....                                            | —                                                  | 48               |
| (c) for other nose and throat conditions .....                                            | —                                                  | 3                |
| Received other forms of treatment.....                                                    | —                                                  | 37               |
| TOTAL .....                                                                               | —                                                  | 88               |
| Total number of pupils in schools who are known to have been provided with hearing aids : |                                                    |                  |
| (a) in 1956 .....                                                                         | —                                                  | —                |
| (b) in previous years .....                                                               | —                                                  | 3                |

## GROUP 3.—ORTHOPAEDIC AND POSTURAL DEFECTS.

|                                                                                        | <i>By the Authority</i> | <i>Otherwise</i> |
|----------------------------------------------------------------------------------------|-------------------------|------------------|
| Number of pupils known to have been treated at clinics or out-patient departments..... | —                       | 167              |

## GROUP 4.—DISEASES OF THE SKIN.

|                            | <i>Number of cases treated or under treatment during the year by the Authority.</i> |
|----------------------------|-------------------------------------------------------------------------------------|
| Ringworm : (i) Scalp ..... | —                                                                                   |
| (ii) Body .....            | 6                                                                                   |
| Scabies .....              | —                                                                                   |
| Impetigo .....             | 3                                                                                   |
| Other skin diseases .....  | 14                                                                                  |
| TOTAL .....                | 23                                                                                  |

## GROUP 5.—CHILD GUIDANCE TREATMENT.

|                                                                                                   |    |
|---------------------------------------------------------------------------------------------------|----|
| Number of pupils treated at Child Guidance Clinics under arrangements made by the Authority ..... | 46 |
|---------------------------------------------------------------------------------------------------|----|

## GROUP 6.—SPEECH THERAPY.

|                                                                                              |       |
|----------------------------------------------------------------------------------------------|-------|
| Number of pupils treated by Speech Therapists under arrangements made by the Authority ..... | None* |
| *Speech Therapist post vacant throughout the year.                                           |       |

## GROUP 7.—OTHER TREATMENT GIVEN.

|                                                                                               |      |
|-----------------------------------------------------------------------------------------------|------|
| (a) Number of cases of miscellaneous minor ailments treated by the Authority .....            | 447  |
| (b) Pupils who received convalescent treatment under School Health Service arrangements ..... | 2    |
| (c) Pupils who received B.C.G. vaccination .....                                              | 1825 |
| (d) Other than (a), (b) and (c) above, specify :                                              |      |
| 1. Eye Diseases .....                                                                         | 19   |
| 2. Ear Diseases .....                                                                         | 27   |
| 3. Ultra Violet Light .....                                                                   | 185  |